

A neurostimulating lead is provided for use in stimulating the spinal chord, spinal nerves, or peripheral nerves or for use in deep brain stimulation that comprises an elongated, flexible lead having improved steerability properties. The lead includes a plurality of thin-film metal electrodes connected by conductors embedded within the wall of the lead to electrical contacts at the proximal end of the lead. The lead is further designed to include an internal lumen for use with a guidewire in an over-the-wire lead placement.